

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Optim Energy Twin Oaks, LP

AUTHORIZING THE OPERATION OF

Twin Oaks  
Electric Services

LOCATED AT

Robertson County, Texas

Latitude 31° 05' 34" Longitude 096° 41' 46"

Regulated Entity Number: RN100226570

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site, emission units and affected source listed in this permit. Operations of the site, emission units and affected source listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site, emission units and affected source authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: 088 Issuance Date: April 4, 2011

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For the Commission

## Table of Contents

<b>Section</b>	<b>Page</b>
General Terms and Conditions .....	1
Special Terms and Conditions .....	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting .....	1
Additional Monitoring Requirements .....	10
New Source Review Authorization Requirements .....	12
Compliance Requirements.....	13
Risk Management Plan .....	14
Permit Location.....	14
Permit Shield (30 TAC § 122.148) .....	15
Acid Rain Permit Requirements .....	15
Clean Air Interstate Permit Requirements.....	20
Attachments .....	26
Applicable Requirements Summary .....	27
Additional Monitoring Requirements .....	50
Permit Shield.....	72
New Source Review Authorization References.....	75
Alternative Requirements .....	81
Appendix A .....	85
Acronym List .....	86

## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
- D. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUUUU and 30 TAC Chapter 113, Subchapter C, § 113.1300 for the following units (1-1, 2-1) by April 16, 2016. This is a one year extension of the compliance date granted in accordance with § 63.6(i)(4)(i)(A). The permit holder shall comply with the emission control installations, compliance schedule, and notification requirements contained in the Alternative Requirements attachment of this permit. The permit holder shall maintain the original documentation from the TCEQ Executive Director granting the compliance extension. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144. No later than April 16, 2016, the permit holder shall submit a revision application to codify the requirements in the permit.
- E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 101.372 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
  - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)
  - (v) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (vi) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
  - A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
  - A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) and Compliance Assurance Monitoring (CAM), are not subject to the following periodic monitoring requirements and shall comply with the CAM requirements in the “Additional Monitoring Requirements” attachment:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The

observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

- B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
  - (4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset.

Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- F. Permit holder shall comply with the following requirements for steam generators:
  - (i) Emissions from any solid fuel-fired steam generator may not exceed 0.3 pound of TSP per MMBtu of heat input, averaged over a two-hour period, as required in 30 TAC § 111.153(b) (relating to Emissions Limits for Steam Generators).
- G. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
  - (ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)
  - (iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
  - (iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 125,000 gallons of gasoline in any calendar month after January 1, 1999, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
    - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
    - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks

- (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
  - (iv) Title 30 TAC § 115.226(2)(C) (relating to Recordkeeping Requirements)
- 5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
- 6. For the nonmetallic mineral processing operations specified in 40 CFR Part 60, Subpart OOO, the permit holder shall comply with the following requirements:
  - A. Title 40 CFR § 60.670(f) (relating to Applicability and Designation of Affected Facility), for Table 1 for Subpart A
  - B. Title 40 CFR § 60.673(a) - (b) (relating to Reconstruction)
  - C. Title 40 CFR § 60.676(h) (relating to Reporting and Recordkeeping)
- 7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

### **Additional Monitoring Requirements**

- 8. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:

- A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
- B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
- C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
- D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
- E. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective action:
  - (i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or
  - (ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
- F. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any bypass of the control device subject to CAM. If the results of the following inspections or monitoring indicate bypass of the control device, the permit holder shall promptly take necessary corrective actions and report a deviation:

- (i) Install a flow indicator that is capable of recording flow, at least once every fifteen minutes, immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or
  - (ii) Once a month, the permit holder shall inspect the valves checking the position of the valves and the condition of the car seals. Identify all times when the car seal has been broken and the valve position has been changed to allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere.
- 9. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **New Source Review Authorization Requirements**

- 10. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
  - A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
- 11. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

12. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.
  - A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
  - B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
13. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
  - A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
  - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
  - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

### **Compliance Requirements**

14. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
15. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
  - A. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9300 for electric utilities in East and Central Texas.

16. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116
    - (iv) Temporarily exceed state NSR permit allowables
  - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
    - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
    - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

### **Risk Management Plan**

17. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

### **Permit Location**

18. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

## **Permit Shield (30 TAC § 122.148)**

19. A permit shield is granted for the emission units, groups, or processes specified in the attached “Permit Shield.” Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment “Permit Shield.” Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Acid Rain Permit Requirements**

20. For units 1-1 and 2-1 (identified in the Certificate of Representation as units U1 and U2), located at the affected source identified by ORIS/Facility code 7030, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

### **A. General Requirements**

- (i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.
- (ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.
- (iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.
- (iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.
- (v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of

the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

- (i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained 40 CFR Part 75.
- (ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO<sub>2</sub> and NO<sub>x</sub> under the ARP.
- (iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO<sub>2</sub> emissions requirements

- (i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO<sub>2</sub>.
- (ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO<sub>2</sub> for the previous calendar year.
- (iii) Each ton of SO<sub>2</sub> emitted in excess of the acid rain emissions limitations for SO<sub>2</sub> shall constitute a separate violation of the FCAA amendments.
- (iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO<sub>2</sub> emissions requirements as follows:
  - (1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or
  - (2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

- (v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.
- (vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.
- (vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO<sub>2</sub> in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO<sub>x</sub> Emission Requirements

- (i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO<sub>x</sub> under 40 CFR Part 76.

E. Excess emissions requirements for SO<sub>2</sub> and NO<sub>x</sub>.

- (i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.
- (ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:
  - (1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.
  - (2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

- (i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.
  - (1) The certificate of representation for the designated representative for the source and each affected unit and all

documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

- (2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.
  - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.
  - (4) Copies of all documents used to complete a acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.
- (ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

- (i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).
- (ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.
- (iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.
- (iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

- (v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.
  - (vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO<sub>x</sub> averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.
  - (vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.
- H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:
- (i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.
  - (ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.
  - (iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.
  - (iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

- (v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.
- I. The number of SO<sub>2</sub> allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

### **Clean Air Interstate Permit Requirements**

21. For units 1-1 and 2-1 (identified in the Certificate of Representation as units U1 and U2), located at the affected source identified by ORIS/Facility code 7030, the designated representative and the owner or operator, as applicable, shall comply with the following Clean Air Interstate Rule (CAIR) Permit requirements. Until approval of the Texas CAIR SIP, the permit holder shall comply with the equivalent requirements of 40 CFR Part 97 in place of the referenced 40 CFR Part 96 requirements in the Texas CAIR permit and 30 TAC Chapter 122 requirements.

#### **A. General Requirements**

- (i) Under 30 TAC § 122.420(b) and 40 CFR §§ 96.120(b) and 96.220(b) the CAIR Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP).
- (ii) The owners and operators of the CAIR NO<sub>x</sub> and the CAIR SO<sub>2</sub> source shall operate the source and the unit in compliance with the requirements of this CAIR permit and all other applicable State and federal requirements.
- (iii) The owners and operators of the CAIR NO<sub>x</sub> and the CAIR SO<sub>2</sub> source shall comply with the General Terms and Conditions of the FOP that incorporates this CAIR Permit.
- (iv) The term for the initial CAIR permit shall commence with the issuance of the revision containing the CAIR permit and shall be the remaining term for the FOP that incorporates the CAIR permit. Renewal of the initial CAIR permit shall coincide with the renewal of the FOP that incorporates the CAIR permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

#### **B. Monitoring and Reporting Requirements**

- (i) The owners and operators, and the CAIR designated representative, of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements contained 40 CFR Part 96, Subpart HH.

- (ii) The owners and operators, and the CAIR designated representative, of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements contained 40 CFR Part 96, Subpart HHH.
- (iii) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH and any other credible evidence shall be used to determine compliance by the CAIR NO<sub>x</sub> source with the CAIR NO<sub>x</sub> emissions limitation.
- (iv) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH and any other credible evidence shall be used to determine compliance by the CAIR SO<sub>2</sub> source with the CAIR SO<sub>2</sub> emissions limitation.

C. NO<sub>x</sub> emissions requirements

- (i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> allowances available for compliance deductions for the control period under 40 CFR § 96.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> units at the source, as determined in accordance the requirements 40 CFR Part 96, Subpart HH.
- (ii) A CAIR NO<sub>x</sub> unit shall be subject to the requirements of paragraph C.(i) of this CAIR Permit starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 96.170(b)(1), (2), or (5).
- (iii) A CAIR NO<sub>x</sub> allowance shall not be deducted, for compliance with the requirements of this permit, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> allowance was allocated.
- (iv) CAIR NO<sub>x</sub> allowances shall be held in, deducted from or transferred into or among CAIR NO<sub>x</sub> Allowance Tracking System accounts in accordance with the requirements of 40 CFR Part 96, Subpart FF or Subpart GG.
- (v) A CAIR NO<sub>x</sub> allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> Annual Trading Program. No provision of the CAIR NO<sub>x</sub> Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 96.105 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

- (vi) A CAIR NO<sub>x</sub> allowance does not constitute a property right.
- (vii) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FF or Subpart GG, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> allowance to or from a CAIR NO<sub>x</sub> unit's compliance account is incorporated automatically in this CAIR permit.

D. NO<sub>x</sub> excess emissions requirement

- (i) If a CAIR NO<sub>x</sub> source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> emissions limitation, the owners and operators of the source and each CAIR NO<sub>x</sub> unit at the source shall surrender the CAIR NO<sub>x</sub> allowances required for deduction under 40 CFR § 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.
- (ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable State law.

E. SO<sub>2</sub> emissions requirements

- (i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall hold, in the source's compliance account, CAIR SO<sub>2</sub> allowances available for compliance deductions for the control period under 40 CFR § 96.254(a) and (b) in an amount not less than the tons of total sulfur dioxides emissions for the control period from all CAIR SO<sub>2</sub> units at the source, as determined in accordance the requirements 40 CFR Part 96, Subpart HHH.
- (ii) A CAIR SO<sub>2</sub> unit shall be subject to the requirements of paragraph E.(i) of this CAIR Permit starting on the later of January 1, 2010, or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 96.270(b)(1), (2), or (5).
- (iii) A CAIR SO<sub>2</sub> allowance shall not be deducted, for compliance with the requirements of this permit, for a control period in a calendar year before the year for which the CAIR SO<sub>2</sub> allowance was allocated.
- (iv) CAIR SO<sub>2</sub> allowances shall be held in, deducted from, or transferred into or among CAIR SO<sub>2</sub> Allowance Tracking System accounts in accordance with the requirements of 40 CFR Part 96, Subpart FFF or Subpart GGG.

- (v) A CAIR SO<sub>2</sub> allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO<sub>2</sub> Trading Program. No provision of the CAIR SO<sub>2</sub> Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 96.205 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.
- (vi) A CAIR SO<sub>2</sub> allowance does not constitute a property right.
- (vii) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or Subpart GGG, every allocation, transfer, or deduction of a CAIR SO<sub>2</sub> allowance to or from a CAIR SO<sub>2</sub> unit's compliance account is incorporated automatically in this CAIR permit.

F. SO<sub>2</sub> excess emissions requirements

- (i) If a CAIR SO<sub>2</sub> source emits sulfur dioxides during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation, the owners and operators of the source and each CAIR SO<sub>2</sub> unit at the source shall surrender the CAIR SO<sub>2</sub> allowances required for deduction under 40 CFR § 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.
- (ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable State law.

G. Recordkeeping and Reporting Requirements

- (i) Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source and the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.
  - (1) The certificate of representation under 40 CFR §§ 96.113 and 96.213 for the CAIR NO<sub>x</sub> designated representative for the source and each CAIR NO<sub>x</sub> unit and the CAIR SO<sub>2</sub> designated representative for the source and each CAIR SO<sub>2</sub> unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period until such

documents are superseded because of the submission of a new certificate of representation under 40 CFR §§ 96.113 and 96.213 changing the CAIR designated representative.

- (2) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH and Subpart HHH, provided that to the extent that these subparts provide for a 3-year period for recordkeeping, the 3-year period shall apply.
  - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO<sub>x</sub> Annual Trading Program and CAIR SO<sub>2</sub> Trading Program or relied upon for compliance determinations.
  - (4) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO<sub>x</sub> Annual Trading Program and CAIR SO<sub>2</sub> Trading Program or to demonstrate compliance with the requirements of the CAIR NO<sub>x</sub> Annual Trading Program and CAIR SO<sub>2</sub> Trading Program.
- (ii) The CAIR designated representative of a CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source and a CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall submit the reports required under the CAIR NO<sub>x</sub> Annual Trading Program and the CAIR SO<sub>2</sub> Trading Program including those under 40 CFR Part 96, Subpart HH and Subpart HHH.
- H. The CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit shall meet the requirements of the CAIR NO<sub>x</sub> Annual Trading Program contained in 40 CFR Part 96, Subparts AA through II.
- I. The CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit shall meet the requirements of the CAIR SO<sub>2</sub> Trading Program contained in 40 CFR Part 96, Subparts AAA through III.
- J. Any provision of the CAIR NO<sub>x</sub> Annual Trading Program and the CAIR SO<sub>2</sub> Trading Program that applies to a CAIR NO<sub>x</sub> source or CAIR SO<sub>2</sub> source or the CAIR designated representative of a CAIR NO<sub>x</sub> source or CAIR SO<sub>2</sub> source shall also apply to the owners and operators of such source and the units at the source.
- K. Any provision of the CAIR NO<sub>x</sub> Annual Trading Program and the CAIR SO<sub>2</sub> Trading Program that applies to a CAIR NO<sub>x</sub> unit or CAIR SO<sub>2</sub> unit or the CAIR designated representative of a CAIR NO<sub>x</sub> unit or CAIR SO<sub>2</sub> unit shall also apply to the owners and operators of such unit.

- L. No provision of the CAIR NO<sub>x</sub> Annual Trading Program, CAIR SO<sub>2</sub> Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR §§ 96.105 or 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO<sub>x</sub> source or CAIR NO<sub>x</sub> unit or a CAIR SO<sub>2</sub> source or CAIR SO<sub>2</sub> unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**40 CFR Part 63, Subpart UUUUU Extension**

### **Applicable Requirements Summary**

**Unit Summary ..... 28**

**Applicable Requirements Summary ..... 32**

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	N/A	30 TAC Chapter 111, Nonagricultural Processes	No person may cause, suffer, allow, or permit emissions of particulate matter from any solid fossil fuel-fired steam generator to exceed 0.3 pound of total suspended particulate per million Btu heat input, averaged over a two-hour period.
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	R2008-1	30 TAC Chapter 112, Sulfur Compounds	FUEL TYPE = Solid fossil fuel., HEAT INPUT = Design heat input is greater than 1500 MMBtu/hr.
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	R2008-2	30 TAC Chapter 112, Sulfur Compounds	FUEL TYPE = Liquid fuel., HEAT INPUT = Design heat input is greater than 250 MMBtu/hr., STACK HEIGHT = The effective stack height is at least the standard effective stack height for each stack to which the unit routes emissions.
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	R73000	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	60Da-1	40 CFR Part 60, Subpart Da	DUCT BURNER = The unit is not a duct burner.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	60Da-3	40 CFR Part 60, Subpart Da	D-SERIES FUEL TYPE #2 = Solid nonfossil fuel.
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	60Da-4	40 CFR Part 60, Subpart Da	D-SERIES FUEL TYPE #2 = Natural gas.
GRPBOIL	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	1-1, 2-1	60Da-5	40 CFR Part 60, Subpart Da	D-SERIES FUEL TYPE #2 = Liquid fossil fuel.
GRPCHS	COAL PREPARATION PLANTS	1-8, 2-8, C-1, C-10, C-11, C-12, C-2, C- 3, C-4, C-5, C-6, C- 7, C-8, C-9	60Y	40 CFR Part 60, Subpart Y	No changing attributes.
GRPCAM	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	1-15, 1-16, 1-2, 2- 13, 2-14, 2-2	R1151	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
GRPCAM	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	1-15, 1-16, 1-2, 2- 13, 2-14, 2-2	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPCAM2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	1-3, 2-3	R1151	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPCAM2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	1-3, 2-3	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPSTACK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	S1-1, S2-1	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPLSMILL	NON-METALLIC MINERAL PROCESSING PLANTS	1-6, 1-7, 2-6, 2-7	60000-1	40 CFR Part 60, Subpart 000	No changing attributes.
GRPSILO	NON-METALLIC MINERAL PROCESSING PLANTS	1-11, 1-12, 1-13, 1- 14, 2-10, 2-11, 2- 12, 2-9	60000-1	40 CFR Part 60, Subpart 000	No changing attributes.
L-1	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-1	40 CFR Part 60, Subpart 000	No changing attributes.
L-2	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-1	40 CFR Part 60, Subpart 000	No changing attributes.
L-4	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-1	40 CFR Part 60, Subpart 000	No changing attributes.
SE-LS1	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-1	40 CFR Part 60, Subpart 000	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
1-17	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOIL	EU	N/A	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.153(b)	No person may cause, suffer, allow, or permit emissions of particulate matter from any solid fossil fuel-fired steam generator to exceed 0.3 pound of total suspended particulate per million Btu heat input, averaged over a two-hour period.	** See CAM Summary	None	None
GRPBOIL	EU	R2008-1	SO <sub>2</sub>	30 TAC Chapter 112, Sulfur Compounds	§ 112.8(a)	Except as in §112.8(b), no person may cause, suffer, allow, or permit emissions of SO <sub>2</sub> from solid fossil fuel-fired steam generators to exceed 3.0 lb/MMBtu heat input averaged over a 3-hour period.	§ 112.2(a) ** See CAM Summary	§ 112.2(c)	§ 112.2(b)
GRPBOIL	EU	R2008-2	SO <sub>2</sub>	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO <sub>2</sub> from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See CAM Summary	§ 112.2(c)	§ 112.2(b)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOIL	EU	R73000	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3010(1)(A)(ii) § 117.3010 § 117.3010(1) § 117.3010(1)(A) § 117.3040(k) § 117.3040(l)	In accordance with the compliance schedule in §117.9300 of this title, the owner or operator of each coal-fired utility electric power boiler shall ensure that emissions of nitrogen oxide (NO <sub>x</sub> ) do not exceed 0.165 pounds per million British thermal unit (lb/MMBtu) heat input on an annual (calendar year) average.	§ 117.3035(a) § 117.3035(a)(1) § 117.3035(a)(3) § 117.3035(c) § 117.3035(d) § 117.3040(a) § 117.3040(d) § 117.3040(d)(1) [G]§ 117.3040(d)(2) § 117.3040(h) § 117.3040(h)(1)	§ 117.3045(a) [G]§ 117.3045(e)	§ 117.3035(b) § 117.3045(b) § 117.3045(b)(1) § 117.3045(b)(2) [G]§ 117.3045(c) [G]§ 117.3045(d) [G]§ 117.3054(a) § 117.3054(c) § 117.3056
GRPBOIL	EU	60Da-1	PM	40 CFR Part 60, Subpart Da	§ 60.42Da(a)(1) § 60.42Da(a)(2) § 60.48Da(a) § 60.48Da(c)	No owner or operator discharge any gases that contain PM in excess of 13 ng/J (0.03 lb/MMBtu) heat input derived from the combustion of solid, liquid, or gaseous fuel.	§ 60.49Da(g) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(1) [G]§ 60.50Da(b)(2) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(j)
GRPBOIL	EU	60Da-1	PM (OPACITY)	40 CFR Part 60, Subpart Da	§ 60.42Da(b) § 60.48Da(c)	No owner or operator shall discharge any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. Owners and operators that elect to install, calibrate, maintain and operate a CEMS for measuring PM emissions are exempt from the opacity standard.	§ 60.48Da(q) § 60.49Da(a)(1) § 60.49Da(i) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(3) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.52Da(b)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(i) § 60.51Da(j) § 60.51Da(k)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOIL	EU	60Da-1	NO <sub>x</sub>	40 CFR Part 60, Subpart Da	[G]§ 60.44Da(a) § 60.48Da(b) § 60.48Da(c)	No owner or operator shall discharge any gases that contain NO <sub>x</sub> (expressed as NO <sub>2</sub> ) in excess of the specified emission limits in §60.44Da(a)(1) and (a)(2), based on a 30-day rolling average basis. §60.44Da(a)(1)-(2)	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(h) § 60.49Da(c)(2) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(2) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) § 60.49Da(j)(2) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(d) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOIL	EU	60Da-1	SO <sub>2</sub>	40 CFR Part 60, Subpart Da	§ 60.43Da(a)(2) § 60.43Da(g)	No owner or operator shall discharge any gases that contain sulfur dioxide in excess of 30 percent of the potential combustion concentration (70 percent reduction), when emissions are less than 260 ng/J (0.60 lb/MMBtu) heat input.	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(g)(2) § 60.48Da(h) § 60.49Da(b) § 60.49Da(b)(1) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(1) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) § 60.49Da(i)(5) § 60.49Da(j)(1) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(c) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(3) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) [G]§ 60.51Da(d) [G]§ 60.51Da(e) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)
GRPBOIL	EU	60Da-3	PM	40 CFR Part 60, Subpart Da	§ 60.42Da(a)(1) § 60.42Da(a)(2) § 60.48Da(a) § 60.48Da(c)	No owner or operator discharge any gases that contain PM in excess of 13 ng/J (0.03 lb/MMBtu) heat input derived from the combustion of solid, liquid, or gaseous fuel.	§ 60.49Da(g) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(1) [G]§ 60.50Da(b)(2) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(j)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOIL	EU	60Da-3	PM (OPACITY)	40 CFR Part 60, Subpart Da	§ 60.42Da(b) § 60.48Da(c)	No owner or operator shall discharge any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. Owners and operators that elect to install, calibrate, maintain and operate a CEMS for measuring PM emissions are exempt from the opacity standard.	§ 60.48Da(q) § 60.49Da(a)(1) § 60.49Da(i) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(3) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.52Da(b)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(i) § 60.51Da(j) § 60.51Da(k)

## Applicable Requirements Summary

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GRPBOIL	EU	60Da-3	NO <sub>x</sub>	40 CFR Part 60, Subpart Da	§ 60.44Da(c) § 60.48Da(c)	When two or more fuels are combusted simultaneously, the applicable NO <sub>x</sub> standard is determined by proration using the specified formula.	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(h) § 60.49Da(c)(2) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(2) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) § 60.49Da(j)(2) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(d) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOIL	EU	60Da-3	SO <sub>2</sub>	40 CFR Part 60, Subpart Da	§ 60.43Da(a)(2) § 60.43Da(g)	No owner or operator shall discharge any gases that contain sulfur dioxide in excess of 30 percent of the potential combustion concentration (70 percent reduction), when emissions are less than 260 ng/J (0.60 lb/MMBtu) heat input.	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(g)(2) § 60.48Da(h) § 60.49Da(b) § 60.49Da(b)(1) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(1) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) § 60.49Da(i)(5) § 60.49Da(j)(1) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(c) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(3) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) [G]§ 60.51Da(d) [G]§ 60.51Da(e) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)
GRPBOIL	EU	60Da-4	PM	40 CFR Part 60, Subpart Da	§ 60.42Da(a)(1) § 60.42Da(a)(2) § 60.48Da(a) § 60.48Da(c)	No owner or operator discharge any gases that contain PM in excess of 13 ng/J (0.03 lb/MMBtu) heat input derived from the combustion of solid, liquid, or gaseous fuel.	§ 60.49Da(g) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(1) [G]§ 60.50Da(b)(2) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(j)

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GRPBOIL	EU	60Da-4	PM (OPACITY)	40 CFR Part 60, Subpart Da	§ 60.42Da(b) § 60.48Da(c)	No owner or operator shall discharge any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. Owners and operators that elect to install, calibrate, maintain and operate a CEMS for measuring PM emissions are exempt from the opacity standard.	§ 60.48Da(q) § 60.49Da(a)(1) § 60.49Da(i) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(3) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.52Da(b)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(i) § 60.51Da(j) § 60.51Da(k)

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GRPBOIL	EU	60Da-4	NO <sub>x</sub>	40 CFR Part 60, Subpart Da	§ 60.44Da(c) § 60.48Da(c)	When two or more fuels are combusted simultaneously, the applicable NO <sub>x</sub> standard is determined by proration using the specified formula.	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(h) § 60.49Da(c)(2) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(2) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) § 60.49Da(j)(2) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(d) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)

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GRPBOIL	EU	60Da-4	SO <sub>2</sub>	40 CFR Part 60, Subpart Da	§ 60.43Da(h)(2) § 60.43Da(g)	When different fuels are combusted simultaneously, the applicable standard is determined by proration using the specified formula for emissions of sulfur dioxide equal to or less than 260 ng/J (0.60 lb/MMBtu) heat input:	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(g)(2) § 60.48Da(h) § 60.49Da(b) § 60.49Da(b)(1) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(1) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) § 60.49Da(i)(5) § 60.49Da(j)(1) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(c) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) [G]§ 60.51Da(d) [G]§ 60.51Da(e) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)
GRPBOIL	EU	60Da-5	PM	40 CFR Part 60, Subpart Da	§ 60.42Da(a)(1) § 60.42Da(a)(2) § 60.42Da(a)(3) § 60.48Da(a) § 60.48Da(c)	No owner or operator discharge any gases that contain PM in excess of 13 ng/J (0.03 lb/MMBtu) heat input derived from the combustion of solid, liquid, or gaseous fuel.	§ 60.49Da(g) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(1) [G]§ 60.50Da(b)(2) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(j)

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GRPBOIL	EU	60Da-5	PM (OPACITY)	40 CFR Part 60, Subpart Da	§ 60.42Da(b) § 60.48Da(c)	No owner or operator shall discharge any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. Owners and operators that elect to install, calibrate, maintain and operate a CEMS for measuring PM emissions are exempt from the opacity standard.	§ 60.48Da(q) § 60.49Da(a)(1) § 60.49Da(i) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) [G]§ 60.49Da(s) § 60.50Da(a) § 60.50Da(b)(3) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.52Da(b)	[G]§ 60.49Da(s) § 60.51Da(a) [G]§ 60.51Da(h) § 60.51Da(i) § 60.51Da(j) § 60.51Da(k)

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GRPBOIL	EU	60Da-5	NO <sub>x</sub>	40 CFR Part 60, Subpart Da	§ 60.44Da(c) § 60.48Da(c)	When two or more fuels are combusted simultaneously, the applicable NO <sub>x</sub> standard is determined by proration using the specified formula.	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(h) § 60.49Da(c)(2) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(2) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) [G]§ 60.49Da(i)(3) § 60.49Da(i)(4) § 60.49Da(j)(2) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(d) [G]§ 60.50Da(e)	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOIL	EU	60Da-5	SO <sub>2</sub>	40 CFR Part 60, Subpart Da	§ 60.43Da(h)(2) § 60.43Da(g)	When different fuels are combusted simultaneously, the applicable standard is determined by proration using the specified formula for emissions of sulfur dioxide equal to or less than 260 ng/J (0.60 lb/MMBtu) heat input:	§ 60.48Da(e) § 60.48Da(f) § 60.48Da(g)(1) § 60.48Da(g)(2) § 60.48Da(h) § 60.49Da(b) § 60.49Da(b)(1) § 60.49Da(d) § 60.49Da(e) § 60.49Da(f)(1) § 60.49Da(g) § 60.49Da(h) § 60.49Da(h)(1) § 60.49Da(h)(3) § 60.49Da(h)(4) § 60.49Da(i) § 60.49Da(i)(1) § 60.49Da(i)(2) § 60.49Da(i)(5) § 60.49Da(j)(1) § 60.49Da(j)(3) § 60.49Da(j)(4) [G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.50Da(a) [G]§ 60.50Da(c) [G]§ 60.50Da(e) ** See CAM Summary	[G]§ 60.49Da(s) [G]§ 60.49Da(w)	[G]§ 60.49Da(s) [G]§ 60.49Da(w) § 60.51Da(a) § 60.51Da(b) § 60.51Da(b)(1) § 60.51Da(b)(2) § 60.51Da(b)(4) § 60.51Da(b)(5) § 60.51Da(b)(6) § 60.51Da(b)(7) § 60.51Da(b)(8) § 60.51Da(b)(9) [G]§ 60.51Da(c) [G]§ 60.51Da(d) [G]§ 60.51Da(e) § 60.51Da(f) [G]§ 60.51Da(h) § 60.51Da(j) § 60.51Da(k)
GRPCHS	EU	60Y	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.252(c)	Gases, which exhibit 20 % opacity, shall not be discharged into the atmosphere from any coal processing/conveying equipment, coal storage system, or coal transfer/loading system processing coal.	§ 60.254(a) § 60.254(b)(2) ** See Periodic Monitoring Summary	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPCAM	EP	R1151	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
GRPCAM	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
GRPCAM2	EP	R1151	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(b) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPCAM2	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
GRPSTACK	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F) ** See CAM Summary	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
GRPLSMILL	EU	60000-1	PM	40 CFR Part 60, Subpart 000	§ 60.672(a)-Table 2 § 60.672(a)	Stack emissions from affected facilities with capture systems (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet a PM limit of 0.05 g/dscm (0.022 gr/dscf).	§ 60.675(a) § 60.675(b)(2) ** See CAM Summary	None	§ 60.676(f) [G]§ 60.676(i) § 60.676(k)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPLSMILL	EU	60000-1	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(a)-Table 2 § 60.672(a)	Stack emissions from affected facilities with capture systems (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet a PM limit of 0.05 g/dscm (0.022 gr/dscf).	§ 60.675(a) § 60.675(b)(2) ** See CAM Summary	None	§ 60.676(f) [G]§ 60.676(i) § 60.676(k)
GRPSILO	EU	60000-1	PM(OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(f)-Table 2 § 60.675(a) § 60.675(b)(2) § 60.675(c)(2)(i) § 60.675(c)(2)(ii) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) § 60.675(f) [G]§ 60.675(i) § 60.675(k)	Any baghouse that controls emissions from only an individual, enclosed storage bin that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 must meet the stack opacity limit of 7 percent.	** See Periodic Monitoring Summary	None	None
L-1	EU	60000-1	PM	40 CFR Part 60, Subpart 000	§ 60.672(e)(2)-Table 2 § 60.672(e)(2)	Vents (as defined in §60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of this subpart.	§ 60.675(a) § 60.675(b)(2) [G]§ 60.675(c)(1) § 60.675(c)(3) [G]§ 60.675(d) ** See Periodic Monitoring Summary	None	§ 60.676(f) [G]§ 60.676(i) § 60.676(k)
L-2	EU	60000-1	PM(OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(a)	Affected facilities must meet the stack emission limits and compliance requirements in Table 2 of this subpart	§ 60.675(a) § 60.675(b)(2) ** See Periodic Monitoring Summary	None	§ 60.676(f)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
L-4	EU	60000-1	PM	40 CFR Part 60, Subpart 000	§ 60.672(b)-Table 3 § 60.672(b)	The owner or operator must meet a fugitive emission limit of 10 percent opacity for grinding mills, screening operations, bucket elevators, transfer operator points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	§ 60.675(a) § 60.675(b)(2) [G]§ 60.675(c)(1) § 60.675(c)(3) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) § 60.675(g) ** See Periodic Monitoring Summary	None	§ 60.675(g) § 60.676(f) § 60.676(g) [G]§ 60.676(i) § 60.676(k)
SE-LS1	EU	60000-1	PM	40 CFR Part 60, Subpart 000	§ 60.672(f)-Table 2 § 60.672(f)	Any baghouse that controls emissions from only an individual, enclosed storage bin that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 must meet the stack opacity limit of 7 percent.	§ 60.675(a) § 60.675(b)(2) § 60.675(c)(2)(i) § 60.675(c)(2)(ii) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) ** See Periodic Monitoring Summary	None	§ 60.676(f) [G]§ 60.676(i) § 60.676(k)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SE-LS1	EU	60000-1	PM(OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(f)-Table 2 § 60.672(f)	Any baghouse that controls emissions from only an individual, enclosed storage bin that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 must meet the stack opacity limit of 7 percent.	§ 60.675(a) § 60.675(b)(2) § 60.675(c)(2)(i) § 60.675(c)(2)(ii) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) § 60.676(f) [G]§ 60.676(i) § 60.676(k) ** See Periodic Monitoring Summary	None	None
1-17	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

**Additional Monitoring Requirements**

**Compliance Assurance Monitoring Summary .....51**

**Periodic Monitoring Summary..... 63**

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOIL	
Control Device ID No.: SCRUB-1	Control Device Type: Other Control Device Type
Control Device ID No.: SCRUB-2	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R153
Pollutant: PM	Main Standard: § 111.153(b)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: six time per minute	
Averaging Period: six minutes	
Deviation Limit: 20% Opacity	
CAM Text: Measure and record the opacity with a continuous opacity monitoring system (COMS). The COMS shall be operated in accordance with 40 CFR § 60.13. An opacity not exceeding 20% indicates particulate emissions below the applicable requirement of 0.3 lb/MMBtu in 111.153(b).	

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOIL	
Control Device ID No.: SCRUB-1	Control Device Type: Other Control Device Type
Control Device ID No.: SCRUB-2	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R2008-1, R2008-2
Pollutant: SO <sub>2</sub>	Main Standard: § 112.8(a)
<b>Monitoring Information</b>	
Indicator: Sulfur Dioxide Concentration	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: 3.0 lb/MMBtu heat input averaged over a three-hour period	
CAM Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. In addition, monitor oxygen or carbon dioxide with a CEMS operated in accordance with above CEMS procedures.	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOIL	
Control Device ID No.: BAG 12	Control Device Type: Fabric Filter
Control Device ID No.: BAG 5	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-1, 60Da-3, 60Da-4, 60Da-5
Pollutant: PM	Main Standard: § 60.42Da(a)(1)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% Opacity	
CAM Text: Measure and record the opacity with a continuous opacity monitoring system (COMS). The COMS shall be operated in accordance with 40 CFR § 60.13. An opacity not exceeding 20% indicates particulate emissions below the applicable requirement of 0.3 lb/MMBtu in 111.153(b).	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOIL	
Control Device ID No.: SCRUB-1	Control Device Type: Other Control Device Type
Control Device ID No.: SCRUB-2	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-1, 60Da-3
Pollutant: SO <sub>2</sub>	Main Standard: § 60.43Da(a)(2)
<b>Monitoring Information</b>	
Indicator: Sulfur Dioxide Concentration	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: 0.60 lb/MMBtu heat input determined on a 30-day rolling average	
<p>CAM Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. In addition, monitor oxygen or carbon dioxide with a CEMS operated in accordance with above CEMS procedures.</p>	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOIL	
Control Device ID No.: SCRUB-1	Control Device Type: Other Control Device Type
Control Device ID No.: SCRUB-2	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-4, 60Da-5
Pollutant: SO <sub>2</sub>	Main Standard: § 60.43Da(h)(2)
<b>Monitoring Information</b>	
Indicator: Sulfur Dioxide Concentration	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: 0.60 lb/MMBtu heat input determined on a 30-day rolling average	
CAM Text: Use a continuous emission monitoring system (CEMS) to measure and record sulfur dioxide emissions in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. In addition, monitor oxygen or carbon dioxide with a CEMS operated in accordance with above CEMS procedures.	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPCAM	
Control Device ID No.: BAG 13	Control Device Type: Fabric Filter
Control Device ID No.: BAG 22	Control Device Type: Fabric Filter
Control Device ID No.: BAG 23	Control Device Type: Fabric Filter
Control Device ID No.: BAG 28	Control Device Type: Fabric Filter
Control Device ID No.: BAG 29	Control Device Type: Fabric Filter
Control Device ID No.: BAG 7	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Pressure drop	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: Less than 1 inch or greater than 4 inches of water	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>+ 0.5 inches water gauge pressure (+ 125 Pa); or</li> <li>+ 0.5% of span</li> </ul>	

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPCAM	
Control Device ID No.: BAG 13	Control Device Type: Fabric Filter
Control Device ID No.: BAG 22	Control Device Type: Fabric Filter
Control Device ID No.: BAG 23	Control Device Type: Fabric Filter
Control Device ID No.: BAG 28	Control Device Type: Fabric Filter
Control Device ID No.: BAG 29	Control Device Type: Fabric Filter
Control Device ID No.: BAG 7	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151
Pollutant: PM	Main Standard: § 111.151(a)
<b>Monitoring Information</b>	
Indicator: Pressure drop	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: Less than 1 inch or greater than 4 inches of water	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>+ 0.5 inches water gauge pressure (+ 125 Pa); or</li> <li>+ 0.5% of span</li> </ul>	

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPCAM2	
Control Device ID No.: WATSUP6	Control Device Type: Other Control Device Type
Control Device ID No.: WATSUP8	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: Visible emission or opacity greater than 20%	
<p>CAM Text: Visible emissions observations shall be made and recorded in accordance with the requirements specified in 40 CFR § 64.7(c). Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of Test Method 9 is an opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPCAM2	
Control Device ID No.: WATSUP6	Control Device Type: Other Control Device Type
Control Device ID No.: WATSUP8	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151
Pollutant: PM	Main Standard: § 111.151(a)
<b>Monitoring Information</b>	
Indicator: Visible emission	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: Visible emissions or opacity greater than 20%	
<p>CAM Text: Visible emissions observations shall be made and recorded in accordance with the requirements specified in 40 CFR § 64.7(c). Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of Test Method 9 is an opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p>	

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPLSMILL	
Control Device ID No.: BAG 14	Control Device Type: Fabric Filter
Control Device ID No.: BAG 15	Control Device Type: Fabric Filter
Control Device ID No.: BAG 8	Control Device Type: Fabric Filter
Control Device ID No.: BAG 9	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-1
Pollutant: PM (OPACITY)	Main Standard: § 60.672(a)-Table 2
<b>Monitoring Information</b>	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: 1 to 10 psia	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>± 0.5 inches water gauge pressure (± 125 pascals); or</li> <li>± 0.5% of span.</li> </ul>	

\*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPLSMILL	
Control Device ID No.: BAG 14	Control Device Type: Fabric Filter
Control Device ID No.: BAG 15	Control Device Type: Fabric Filter
Control Device ID No.: BAG 8	Control Device Type: Fabric Filter
Control Device ID No.: BAG 9	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-1
Pollutant: PM	Main Standard: § 60.672(a)-Table 2
<b>Monitoring Information</b>	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: 1 to 10 psia	
<p>CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:</p> <ul style="list-style-type: none"> <li>± 0.5 inches water gauge pressure (± 125 pascals); or</li> <li>± 0.5% of span.</li> </ul>	

\*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPSTACK	
Control Device ID No.: BAG 12	Control Device Type: Fabric Filter
Control Device ID No.: BAG 5	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: six times per minute	
Averaging Period: six-minute	
Deviation Limit: 20% Opacity	
CAM Text: The COMS shall be operated in accordance with 40 CFR § 60.13.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPCHS	
Control Device ID No.: BAG 1	Control Device Type: Fabric Filter
Control Device ID No.: BAG 10	Control Device Type: Fabric Filter
Control Device ID No.: BAG 16	Control Device Type: Fabric Filter
Control Device ID No.: BAG 2	Control Device Type: Fabric Filter
Control Device ID No.: BAG 3	Control Device Type: Fabric Filter
Control Device ID No.: C-10	Control Device Type: Other Control Device Type
Control Device ID No.: C-11	Control Device Type: Other Control Device Type
Control Device ID No.: C-12	Control Device Type: Other Control Device Type
Control Device ID No.: C-9	Control Device Type: Other Control Device Type
Control Device ID No.: WATSUP 1	Control Device Type: Other Control Device Type
Control Device ID No.: WATSUP 2	Control Device Type: Other Control Device Type
Control Device ID No.: WATSUP 3	Control Device Type: Other Control Device Type
Control Device ID No.: WATSUP 4	Control Device Type: Other Control Device Type
Control Device ID No.: WATSUP 5	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y
Pollutant: PM (OPACITY)	Main Standard: § 60.252(c)
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	

**Deviation Limit: Visible Emissions**

Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.

If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.

If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPSILO	
Control Device ID No.: BAG 18	Control Device Type: Fabric Filter
Control Device ID No.: BAG 19	Control Device Type: Fabric Filter
Control Device ID No.: BAG 20	Control Device Type: Fabric Filter
Control Device ID No.: BAG 21	Control Device Type: Fabric Filter
Control Device ID No.: BAG 24	Control Device Type: Fabric Filter
Control Device ID No.: BAG 25	Control Device Type: Fabric Filter
Control Device ID No.: BAG 26	Control Device Type: Fabric Filter
Control Device ID No.: BAG 27	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart OOO	SOP Index No.: 60000-1
Pollutant: PM(OPACITY)	Main Standard: § 60.672(f)-Table 2
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible Emissions (or 7% opacity if Test Method 9 is performed).	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p>	

If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: L-1	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart OOO	SOP Index No.: 60000-1
Pollutant: PM	Main Standard: § 60.672(e)(2)-Table 2
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible Emissions (or 7% opacity if Test Method 9 is performed)	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: L-2	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart OOO	SOP Index No.: 60000-1
Pollutant: PM(OPACITY)	Main Standard: § 60.672(a)
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible Emissions (or 7% opacity if Test Method 9 is performed)	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: L-4	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart OOO	SOP Index No.: 60000-1
Pollutant: PM	Main Standard: § 60.672(b)-Table 3
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible Emissions (or 10% opacity if Test Method 9 is performed).	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: SE-LS1	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart OOO	SOP Index No.: 60000-1
Pollutant: PM	Main Standard: § 60.672(f)-Table 2
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible Emission (or 7% opacity if Test Method 9 is preformed)	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: SE-LS1	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart OOO	SOP Index No.: 60000-1
Pollutant: PM(OPACITY)	Main Standard: § 60.672(f)-Table 2
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible Emission (or 7% opacity if Test Method 9 is preformed)	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

**Permit Shield**

**Permit Shield ..... 73**

## Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
CWT1	N/A	30 TAC Chapter 115, HRVOC Cooling Towers	The site is not located in the Houston/Galveston/Brazoria area
CWT2	N/A	30 TAC Chapter 115, HRVOC Cooling Towers	The site is not located in the Houston/Galveston/Brazoria area
F-PCOKE	N/A	30 TAC Chapter 111, Mat'ls, Const, Pavements	Robertson County is not located within the geographic area subject to the control requirements for material handling
F-PCOKE	N/A	40 CFR Part 60, Subpart OOO	The definition of nonmetallic mineral does not include petroleum coke
GRPTANK	TK1, TK2, TK3, TK4, TK5	40 CFR Part 60, Subpart Kb	Capacity of the storage vessel is less than 75 cubic meters
LPILE	N/A	40 CFR Part 60, Subpart Y	Storage pile commenced construction prior to 05/22/2009
LSDP	N/A	40 CFR Part 60, Subpart Y	Storage pile commenced construction prior to 05/22/2009
PC-1	N/A	30 TAC Chapter 111, Mat'ls, Const, Pavements	Robertson County is not located within the geographic area subject to the control requirements for material handling
PC-1	N/A	40 CFR Part 60, Subpart OOO	The definition of nonmetallic mineral does not include petroleum coke

## Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PC-2	N/A	30 TAC Chapter 111, Mat'ls, Const, Pavements	Robertson County is not located within the geographic area subject to the control requirements for material handling
PC-2	N/A	40 CFR Part 60, Subpart OOO	The definition of nonmetallic mineral does not include petroleum coke
PC-3	N/A	30 TAC Chapter 111, Mat'ls, Const, Pavements	Robertson County is not located within the geographic area subject to the control requirements for material handling
PC-3	N/A	40 CFR Part 60, Subpart OOO	The definition of nonmetallic mineral does not include petroleum coke

**New Source Review Authorization References**

**New Source Review Authorization References ..... 76**

**New Source Review Authorization References by Emission Unit.....77**

## New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX714	Issuance Date: 11/30/2011
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 17294	Issuance Date: 11/30/2011
Authorization No.: 17295	Issuance Date: 11/30/2011
Authorization No.: 17298	Issuance Date: 05/31/2013
Authorization No.: 17299	Issuance Date: 11/30/2011
Authorization No.: 81817	Issuance Date: 06/04/2007
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.103	Version No./Date: 09/04/2000
Number: 106.144	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.244	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.372	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
1-11	RAW LIMESTONE PRODUCT SILO EAST BAGHOUSE STACK	17294, PSDTX714
1-12	RAW LIMESTONE PRODUCT SILO WEST BAGHOUSE STACK	17294, PSDTX714
1-13	FINISH LIMESTONE PRODUCT SILO EAST BAGHOUSE STACK	17294, PSDTX714
1-14	FINISH LIMESTONE PRODUCT SILO WEST BAGHOUSE STACK	17294, PSDTX714
1-15	SAND PRODUCT SILO EAST BAGHOUSE STACK	17294, PSDTX714
1-16	SAND PRODUCT SILO WEST BAGHOUSE STACK	17294, PSDTX714
1-17	DIESEL POWERED FIRE PUMP	106.511/09/04/2000
1-1	UNIT 1 BOILER	17294, PSDTX714
1-2	FLY ASH SILO VENT	17299
1-3	FLY ASH HANDLING SYSTEM	17299
1-4	UNIT 1 BOTTOM ASH BUNKER - FUGITIVES	17294
1-5	UNIT 1 STANDBY GENERATOR	17294
1-6	UNIT 1 LIMESTONE ROLLER MILL 1 EAST -VENT	17294, PSDTX714
1-7	UNIT 1 LIMESTONE ROLLER MILL 2 WEST-VENT	17294, PSDTX714
1-8	UNIT 1 TRIPPER DECK AND LIGNITE TRANSFER TOWER 3	17294, PSDTX714
2-10	RAW LIMESTONE PRODUCT SILO WEST BAGHOUSE STACK	17295, PSDTX714
2-11	FINISH LIMESTONE PRODUCT SILO EAST BAGHOUSE STACK	17294, PSDTX714
2-12	FINISH LIMESTONE PRODUCT SILO WEST BAGHOUSE STACK	17295, PSDTX714

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
2-13	SAND PRODUCT SILO EAST BAGHOUSE STACK	17295, PSDTX714
2-14	SAND PRODUCT SILO WEST BAGHOUSE STACK	17295, PSDTX714
2-1	UNIT 2 BOILER	17295, PSDTX714
2-2	FLY ASH SILO VENT	17299
2-3	FLY ASH HANDLING SYSTEM	17299
2-4	UNIT 2 BOTTOM ASH BUNKER - FUGITIVES	17299
2-5	UNIT 2 STANDBY GENERATOR	17295
2-6	UNIT 2 LIMESTONE ROLLER MILL 1 EAST-VENT	17295, PSDTX714
2-7	UNIT 2 LIMESTONE ROLLER MILL 2 WEST-VENT	17295, PSDTX714
2-8	UNIT 2 TRIPPER DECK-VENT	17295, PSDTX714
2-9	RAW LIMESTONE PRODUCT SILO EAST BAGHOUSE STACK	17295, PSDTX714
C-10	HOPPER	17298
C-11	FEEDER/BREAKER	17298
C-12	CONVEYOR	17298
C-1	LIGNITE TRANSFER TOWER 1-VENT	17298
C-2	LIGNITE TRANSFER TO LIVE STORAGE	17298
C-3	LIGNITE STACKER RECLAIMER: BOOM BELT ONTO PILE	17298
C-4	LIGNITE STORAGE AREA RECLAIMER ACTIVITY-FUGITIVES	17298

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
C-5	LIGNITE STORAGE AREA RECLAIMER DROP TO CONVEYOR	17298
C-6	LIGNITE STACKOUT CHUTE TO DEAD STORAGE - FUGITIVES	17298
C-7	LIGNITE RECLAIM FROM DEAD STORAGE-VENT	17298
C-8	LIGNITE CRUSHER BUILDING - VENT	17298
C-9	TRUCK DUMP EMISSION POINT	17298
CWT1	UNIT 1 COOLING WATER TOWER	106.371/09/04/2000
CWT2	UNIT 2 COOLING WATER TOWER	106.371/09/04/2000
F-PCOKE	PET COKE STORAGE PILE	17298
L-1	LIMESTONE TRUCK UNLOADING TO CONVEYOR L-1 VENT	17299
L-2	LIMESTONE RECLAIM FROM STORAGE BUILDING - VENT	17299
L-4	EMERGENCY LIMESTONE STORAGE PILE - FUGITIVES	17299
LPILE	LIVE STORAGE PILE - FUGITIVES	17298
LSDP	LIGNITE DEAD STORAGE PILE - FUGITIVES	17298
PC-1	PET COKE TRAIN UNLOADING	17298
PC-2	PET COKE TRAIN UNLOADING	17298
PC-3	PET COKE STORAGE PILE	17298
S1-1	UNIT 1 BOILER STACK	17294, PSDTX714
S2-1	UNIT 2 BOILER STACK	17295, PSDTX714

### **New Source Review Authorization References by Emissions Unit**

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
SE-LS1	CONTRACTOR'S LIMESTONE SILO VENT	17299
TK1	GASOLINE TANK	106.473/09/04/2000
TK2	OFF-ROAD DIESEL TANK	106.472/09/04/2000
TK3	HIGHWAY DIESEL TANK	106.472/09/04/2000
TK4	U1 GENERATOR DIESEL TANK	106.472/09/04/2000
TK5	U2 GENERATOR DIESEL TANK	106.472/09/04/2000

**Alternative Requirements**

**40 CFR Part 63, Subpart UUUUU Extension ..... 82**

Bryan W. Shaw, Ph.D., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
*Protecting Texas by Reducing and Preventing Pollution*

December 20, 2013

MR EDDY YOUNG  
ENVIRONMENTAL SUPERVISOR  
OPTIM ENERGY TWIN OAKS LP  
PO BOX 37  
BREMOND TX 76629

Re: Re: Title 40 Code of Federal Regulations Part 63, Subpart UUUUU Compliance Extension  
Title V Operating Permit Number: 088  
New Source Review Permit Number: 17295  
Optim Energy Electric Plant  
Bremond, Robertson County  
Regulated Entity Number: RN100226570  
Customer Reference Number: CN603023250  
Account Number: RI-0035-C

Dear Mr. Young:

This is in response to your letter dated November 5, 2013, requesting an extension of one year to comply with the requirements in Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart UUUUU (National Emission Standards for Hazardous Air Pollutants from Coal- and Oil-Fired Electric Steam Generating Units). Based on the information in your letter dated November 5, 2013, the two electric generating units at Twin Oaks power plant are hereby granted a one year extension from April 16, 2015 to April 16, 2016 to comply with the requirements in 40 CFR Part 63, Subpart A and UUUUU.

Item numbers 1 through 4 below are conditions of the compliance extension approval.

**Emission Control Installations and Compliance Schedule**

1. The following compliance schedule shall be met, as represented in your request for compliance extension to satisfy the requirements of 40 CFR § 63.6(i)(6)(i):
  - (a) During the 2013 through 2014 time period, Optim Energy will perform demonstration testing of available emission control options and process changes.
  - (b) During the 2014 through 2015 time period, Optim Energy will complete detailed engineering work of the selected control option and initiate installation and process changes.
  - (c) During the 2015 through 2016 time period, Optim Energy will complete installation, commissioning, and optimization of emission control equipment and process changes for MATS compliance.
  - (d) Final compliance with the Subpart UUUUU standards for Optim Energy shall be achieved by April 16, 2016.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • [tceq.texas.gov](http://tceq.texas.gov)

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Mr. Eddy Young  
Page 2  
December 20, 2013

Re: Title V Operating Permit Number: 088

- (e) Initial compliance testing for Optim Energy required by 40 CFR § 63.10005 shall be conducted no later than 180 days following the one year extension date of April 16, 2016.

**Support for Compliance Schedule**

- 2. Optim Energy proposes an alternate compliance schedule based upon receiving a one year extension. The compliance schedule takes into consideration the engineering studies, operational testing, construction schedule to install additional pollution controls, and optimization of controls.

**Notification and Other Requirements**

- 3. Optim Energy shall submit two reports updating the status of progress towards reaching compliance with the MATS. The first report shall be submitted no later than July 30, 2014 and the second report shall be submitted no later than July 30, 2015. Once compliance with the standards is achieved for Optim Energy, which shall be no later than April 16, 2016, Optim Energy shall submit a notification to the TCEQ and the U.S. Environmental Protection Agency (EPA) Region 6, postmarked within 30 days of the date compliance was achieved, specifying the new compliance date and detailing the affected site and equipment. All monitoring, performance testing, recordkeeping, and reporting required by the applicable standards in Subpart A and UUUUU must begin on the new compliance date, or where time frames in the standards are established from the compliance date, must be based on the new compliance date.

The notification required in this condition should be directed to:

Air Section Manager  
TCEQ Region 9  
6801 Sanger Avenue, Suite 2500  
Waco, Texas 76710-7826

With Copies To:

Texas Commission on Environmental Quality  
Air Permits Division, MC-163  
Mr. Erik Hendrickson  
P.O. Box 13087  
Austin, Texas 78711-3087

U.S. Environmental Protection Agency  
Region 6  
Attn: Air Permits Section (6PD-R)  
1445 Ross Avenue, Suite 1200  
Dallas, Texas 75202-2733

Mr. Eddy Young  
Page 3  
December 20, 2013

Re: Title V Operating Permit Number: 088

4. This compliance extension may be terminated, or additional requirements imposed, at any time the TCEQ or EPA determines that Optim Energy is not making reasonable efforts to comply consistent with the compliance extension.

Pursuant to 40 CFR § 63.6(i)(4)(i)(A), Optim Energy is required to apply for a revision of the affected source's Title V permit (Permit Number 088) to incorporate the conditions of this compliance extension.

The TCEQ appreciates your attention to the changing applicable rule requirements. If you need further information or have any questions, please contact Mr. Erik Hendrickson, P.E. at (512) 239-1095 or write to the TCEQ, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,



Michael Wilson, P.E., Director  
Air Permits Division  
Office of Air  
Texas Commission on Environmental Quality

MPW/EH/ch

Enclosure

cc: Air Section Manager, Region 9 – Waco  
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental  
Protection Agency, Region 6, Dallas

Project Number: 201194

**Appendix A**

**Acronym List ..... 86**

## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	.....	actual cubic feet per minute
AMOC	.....	alternate means of control
ARP	.....	Acid Rain Program
ASTM	.....	American Society of Testing and Materials
B/PA	.....	Beaumont/Port Arthur (nonattainment area)
CAM	.....	Compliance Assurance Monitoring
CD	.....	control device
COMS	.....	continuous opacity monitoring system
CVS	.....	closed-vent system
D/FW	.....	Dallas/Fort Worth (nonattainment area)
DR	.....	Designated Representative
ELP	.....	El Paso (nonattainment area)
EP	.....	emission point
EPA	.....	U.S. Environmental Protection Agency
EU	.....	emission unit
FCAA Amendments	.....	Federal Clean Air Act Amendments
FOP	.....	federal operating permit
GF	.....	grandfathered
gr/100 scf	.....	grains per 100 standard cubic feet
HAP	.....	hazardous air pollutant
H/G/B	.....	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	.....	hydrogen sulfide
ID No.	.....	identification number
lb/hr	.....	pound(s) per hour
MMBtu/hr	.....	Million British thermal units per hour
MRRT	.....	monitoring, recordkeeping, reporting, and testing
NA	.....	nonattainment
N/A	.....	not applicable
NADB	.....	National Allowance Data Base
NO <sub>x</sub>	.....	nitrogen oxides
NSPS	.....	New Source Performance Standard (40 CFR Part 60)
NSR	.....	New Source Review
ORIS	.....	Office of Regulatory Information Systems
Pb	.....	lead
PBR	.....	Permit By Rule
PM	.....	particulate matter
ppmv	.....	parts per million by volume
PSD	.....	prevention of significant deterioration
RO	.....	Responsible Official
SO <sub>2</sub>	.....	sulfur dioxide
TCEQ	.....	Texas Commission on Environmental Quality
TSP	.....	total suspended particulate
TVP	.....	true vapor pressure
U.S.C.	.....	United States Code
VOC	.....	volatile organic compound